



LOCUS Exported 5005 bp ds-DNA circular SYN 02-MAR-2013

DEFINITION Donor vector for inserting an attB-flanked gene to generate an entry vector in the Gateway(R) system.

ACCESSION .

VERSION .

KEYWORDS pDONR223

SOURCE synthetic DNA construct

ORGANISM synthetic DNA construct

REFERENCE 1 (bases 1 to 5005)

AUTHORS Rual JF, Hirozane-Kishikawa T, Hao T, Bertin N, Li S, Dricot A, Li N, Rosenberg J, Lamesch P, Vidalain PO, Clingingsmith TR, Hartley JL, Esposito D, Cheo D, Moore T, Simmons B, Sequerra R, Bosak S, Doucette-Stamm L, Le Peuch C, Vandenhoute J, Cusick ME, Albala JS, Hill DE, Vidal M.

TITLE Human ORFeome version 1.1: a platform for reverse proteomics.

JOURNAL Genome Res. 2004;14:2128-35.

PUBMED 15489335

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REFERENCE      2 (bases 1 to 5005)
AUTHORS       I.M.A.G.E. Consortium
TITLE         Direct Submission
JOURNAL       Exported Thursday, Feb 11, 2016 from SnapGene 3.0.3
              http://www.snapgene.com
FEATURES             Location/Qualifiers
     source             1..5005
                       /organism="synthetic DNA construct"
                       /lab_host="Escherichia coli"
                       /mol_type="other DNA"
     terminator        268..295
                       /note="rrnB T2 terminator"
                       /note="transcription terminator T2 from the E. coli
rrnB
     terminator        387..473
                       /gene="Escherichia coli rrnB"
                       /note="rrnB T1 terminator"
                       /note="transcription terminator T1 from the E. coli
rrnB
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                       /note="M13 fwd"
                       /note="common sequencing primer, one of multiple
similar
     protein_bind      570..801
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                       /note="recombination site for the Gateway(R) BP
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                       /gene="ccdB"
                       /product="CcdB, a bacterial toxin that poisons DNA
gyrase"
                       /note="ccdB"
                       /note="Plasmids containing the ccdB gene cannot be
propagated in standard E. coli strains."

/translation="MQFKVYTYKRESRYRLFVDVQSDIIDTPGRRMVIPLASARLLSDK
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     CDS               complement(1844..2503)
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                       /note="confers resistance to chloramphenicol"

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DNFFAPVFTMGKYYTQGDKVLMLPLAIQVHHAVCDGDFHVGRMLNELQQYCDEWQGGGA "

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                  /note="promoter of the E. coli cat gene"
    protein_bind  2751..2982
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                  /bound_moiety="BP Clonase(TM) "
                  /note="attP2"
                  /note="recombination site for the Gateway(R) BP
reaction"
    promoter      complement (3001..3019)
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                  /note="promoter for bacteriophage T7 RNA polymerase"
    primer_bind   complement (3024..3040)
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similar
                  variants"
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                  /note="SmR"
                  /note="confers resistance to spectinomycin and
streptomycin"

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/translation="MREAVIAEVSTQLSEVVGVIERHLEPTLLAVHLYGSAVDGGLKPH

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of
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ORIGIN

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